



Delta Long-Term Management Strategy

Presented to
Delta LTMS Management
Committee

December 7, 2006



US Army Corps
of Engineers®



Presentation Outline

- Background of Delta LTMS
- Key Elements of the Framework
- Work Plan
- Technical Work Groups
- Science Review Panel
- Sediment Database
- Next Steps

Framework Goals

- Long-term plan will be developed to identify and evaluate suitable dredging, disposal, and beneficial reuse alternatives while protecting resources
 - Manage dredging activities to support and maintain delta functions for navigation, flood control, water conveyance, and recreation
 - Manage sediment, including the beneficial reuse of dredged materials, to maintain and stabilize Delta levees that protect land-based activities, water conveyance, and terrestrial ecosystems
 - Manage dredging activities and beneficial reuse to protect and enhance water quality for Delta water supply and ecosystem function

Framework Objectives

- Improve coordination and cooperation among agencies with dredging management responsibilities and/or regulatory authority
- Protect surface and groundwater quality
- Protect fish species and habitats
- Facilitate beneficial reuse of dredged materials for levee stabilization or other uses
- Support Delta ecosystem restoration activities
- Support cost-effective dredging activities

Delta LTMS - Structure

Executive Committee

U.S. Army Corps of Engineers, South Pacific Division
U.S. Environmental Protection Agency, Region 9
California Department of Water Resources
State of California Water Resources Control Board
California Regional Water Quality Control Board,
Central Valley Region
CALFED Bay-Delta Program
Delta Protection Commission

Management Committee

Deputy level managers of implementing and regulatory agencies. Oversee work groups and make recommendations to the Executive Committee.

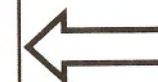
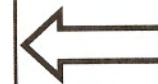
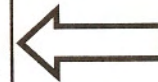
Interagency Work Group

Serves as program managers and steering committee

Technical Work Groups

Strategy Review Group

Other State and Federal Agencies, stakeholders, interest groups, and members of the public



Delta LTMS History

- 2004 – Army Corps of Engineers began exploring ways to improve dredged material management in the Delta
- 2005 – Five state and federal agencies began to develop the Delta LTMS Process
 - Modeled on San Francisco Bay LTMS
- Early 2006 – Agencies refined the Delta LTMS Process Framework and Charter
 - Solicited agency and stakeholder involvement
 - Strategy Review Group meetings began

Delta LTMS History

- Mid-Late 2006: Executive Committee Kick-off and developing Technical Work Groups.
 - Executive Committee Kick-Off October 24, 2006
 - Interagency Work Group – monthly to bi-monthly meetings
 - Strategy Review Group – monthly meetings
 - Corp's Project Management Plan
 - Sediment Database
 - Preparation work for Technical Work Groups and Science Review Panel.

LTMS Website

www.deltaltms.com or www.delta-ltms.com

Delta Dredged Sediment Long-Term Management Strategy (LTMS)

News and Events
Project History
Organization/Membership
Technical Work Groups
Meeting Calendar
Meeting Handouts
Sediment Quality Database
Study Documents
Links
Contacts



USACE Delta LTMS Program
Manager Al Panicola (415) 977-8468

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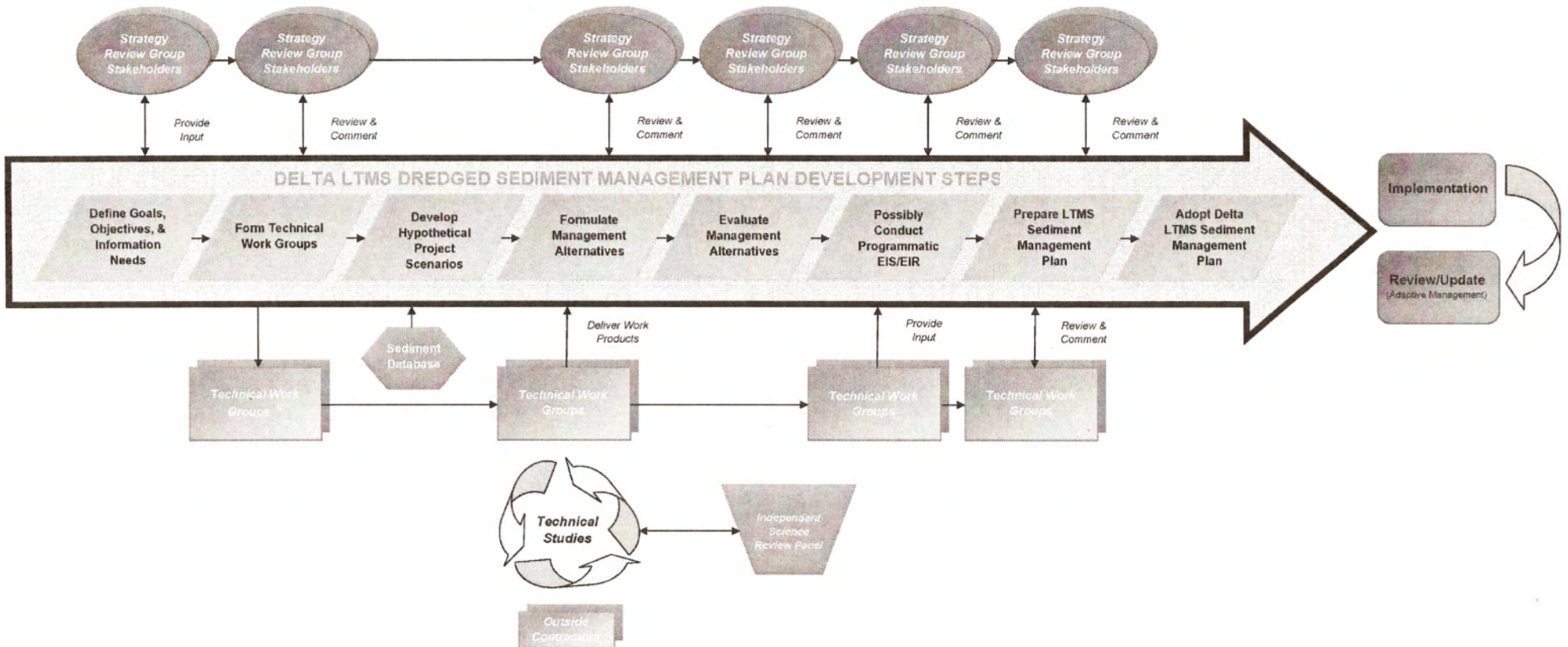
Website Manager
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Corps Work Plan

- Internal Project Management Plan (PMP)
- Draft is in progress
- Acts as a roadmap for completing the Long-Term Management Strategy document
- Includes discussion on estimated budget
- Identifies tasks and responsibilities
- Requires confirmation on staffing commitments
- Available for review in early January 2007

DELTA DREDGED SEDIMENT LONG-TERM MANAGEMENT STRATEGY (LTMS) DEVELOPMENT PROCESS



Footnotes: ¹⁷ Ex: Work groups include Scientific Technical Studies & Permitting Coordination Activities

Technical Work Groups

- Four Work Groups recommended:
 - Dredging, Disposal and Reuse Permitting
 - Regional Disposal and Reuse Alternative Development
 - Testing Protocols Report
 - Programmatic Biological Assessment
- Stakeholder participation requested
- Agency commitments will be required

Technical Work Groups

- Successful implementation will require time commitments from the following:
 - U.S. Army Corps of Engineers Sacramento and San Francisco Districts
 - U.S. Environmental Protection Agency,
 - California Department of Water Resources,
 - California Bay-Delta Authority Central Valley Regional Water Quality Control Board

Science Review Panel

- Provides independent technical review of LTMS work products/recommendations
- Preliminary list of potential candidates:
 - Dr. Todd Bridges – Corps ERDC
 - Dr. Terry Young – Independent Consultant
 - Dr. Bruce Thompson – San Francisco Estuary Institute
 - Dr. Jeff Cornwell – Univ. of Maryland Center for Environmental Sciences, Horn Point Laboratory
 - Dr. Ramzi J. Mahmood – Sacramento State Univ.
 - Additional qualified members - TBD

Sediment Database

- Goal is to create a single database that contains all dredging-related information for Delta projects.
- Will be used for:
 - Calculating average sediment removal volumes;
 - Ranges of chemical and physical parameters;
 - Possibly associated water quality data.
- Sorted by region, depth, river mile, etc.

Sediment Database - Progress

- List of data sources compiled and reviewed
- Objectives for the database assessed
- Critical data types/exposure pathways identified
- Additional information will be necessary
 - volumes, coordinates, QA/QC, sampling information (dates, sediment or water depths, filter/sieve sizes, etc.)
- Priority list to focus the data compilation identified

Sediment Database – Priorities

- Analyze current available electronic data
- For those sources seek out volume and sample location and type
- Allocate regional distinctions (north delta, Sacramento river, etc)
- Identify data gaps per region

Next Steps - 2007

- Finalize Draft PMP/Work Plan (1/07)
- Assemble Technical Work Groups (1/07)
- Assemble Science Review Panel (1/07)
- Develop LTMS Outline (3/07)
- Formulate management alternatives (6/07)
- Assess need for programmatic EIS (9/07)
- Conceptual Strategy Plan (12/07)



For Approval

Item 1:

- Recommendation to approve Technical Work Group Directives for:
 - Dredging, Disposal and Reuse Permitting
 - Regional Disposal and Reuse Alternative Development
 - Testing Protocols Report
 - Programmatic Biological Assessment

For Approval

Item 2:

- Recommendation to approve Science Review Panel Directive and allow the IWG to solicit participation from scientists and engineers that are independent of the Delta LTMS process. Individual members of the panel will be recommended for approval by letter in early 2007.

Future Meetings

- Management Committee Meeting:
 - TBD: Recommend 20-22 March 2007
- Interagency Work Group:
 - Meeting regularly, 1-2 times per month
- Strategy Review Group:
 - 4th Monday of each month: 22 Jan 2007, 26 February 2007, 26 March 2007
- Technical Working Groups:
 - Expected kick-offs in early 2007
- Tentative Public Meeting: San Francisco Bay DMMO annual review and Science Work Group presentations
 - April 13, 2007, San Francisco